

Helping Massachusetts Municipalities Create a Cleaner Energy Future



COMMONWEALTH OF MASSACHUSETTS

*Charles Baker, Governor
Kathleen Theoharides, Secretary
Patrick Woodcock, Commissioner*

Overview of 2022 Competitive Grants

*Green Communities Division
Webinar*

March 15, 2022

Joanne Bissetta- Director, Green Communities Division
Mark Rabinsky – Western Regional Coordinator

Green Communities Division

The energy hub for **all** Massachusetts cities and towns, not just designated Green Communities.



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Green Communities Division - Programs & Resources for Municipalities

- Green Communities Designation and Grant Program
- MassEnergyInsight energy tracking and analysis tool
- Municipal Energy Technical Assistance
- Website filled with tools & resources
www.mass.gov/orgs/green-communities-division
- Email updates via e-blasts – Sign up by sending an email to: join-ene-greencommunities@listserv.state.ma.us



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Green Communities Regional Coordinators

- Regional Coordinators act as direct liaisons with cities and towns on energy efficiency and renewable energy activities
- Located at each of the DEP Regional Offices:



WERO – SPRINGFIELD: Mark Rabinsky
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617-823-4588 - cell



NERO – WILMINGTON: Neal Duffy
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857-276-8654 - cell



CERO – WORCESTER: Kelly Brown
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Recording & Presentation

- The webinar is being recorded and will be available on our website in approximately 48 hours at: www.mass.gov/orgs/green-communities-division-massdoer
- Use the Q & A function to type in questions. We will pause after each section to answer any clarifying questions. We will also have time at the end to answer questions.

Poll Question #1

We would like to get a sense of our audience today. Please indicate the option that best reflects your role:

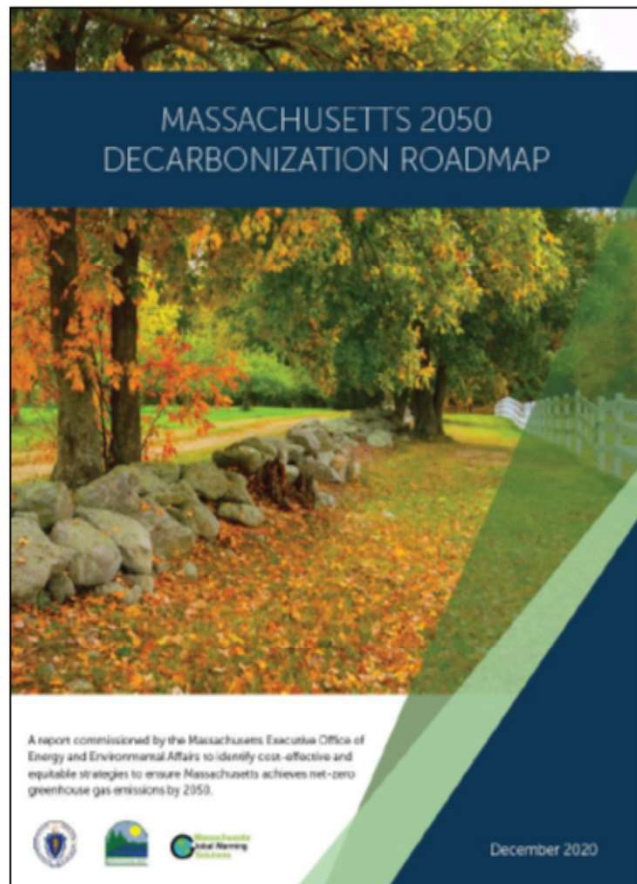
- **Municipal/school staff**
- **Elected official**
- **Energy efficiency contractor/consultant**
- **Utility representative**
- **Volunteer/Other**

Today's Presentation

- State climate and energy policy
- Description of new and revised components
- Grant schedule
- Overview of eligible projects
- Walk-through of Grant Table
- Application evaluation
- Q and A



State Policy Goals



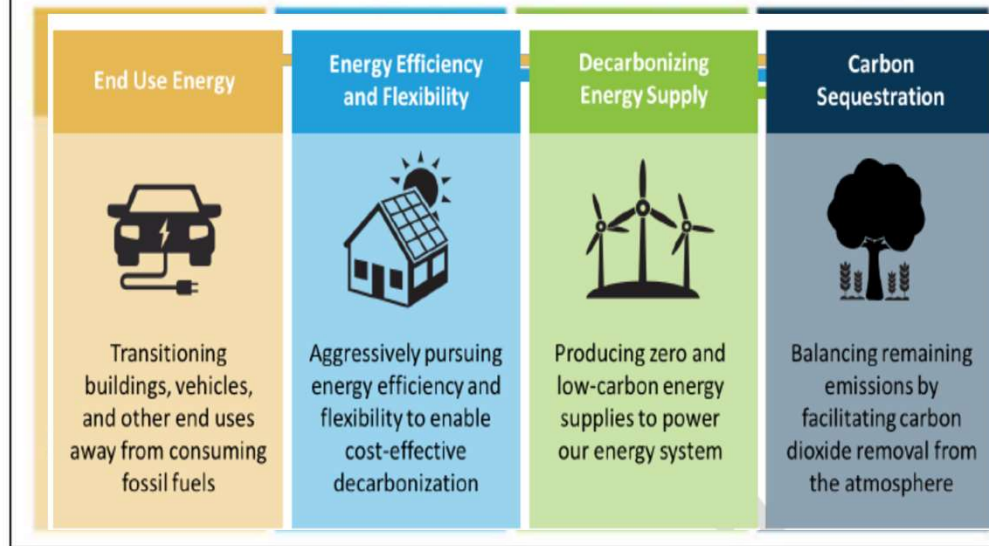
- ▶ Two Year Research Effort
- ▶ Comprehensive Understanding of 30-year Transition to Net Zero
- ▶ Focused on Implementation
- ▶ Inform Near-Term Decision-Making
- ▶ Results Published Dec. 30, 2020

For More Information: www.mass.gov/2050Roadmap

Strategies to Achieve Net Zero

4 key components of deep decarbonization guided development of implementation strategies:

Figure 5: Four key 'pillars of decarbonization' for the Commonwealth



To reduce emissions from energy demand in end uses through electrification, fuel switching, efficiency, and flexibility.



To reliably supply low-to-zero carbon energy resources to Massachusetts residents.



To minimize residual emissions and maximize cost-effective carbon dioxide removal and storage.



Competitive Grant Facts At-A-Glance



Only eligible Green Communities can apply



Full or partial funding of clean energy projects at municipal/school facilities



Two opportunities to submit applications

Block 1 deadline is 5 pm, April 22

Block 2 deadline is 5 pm, October 7



Applications accepted ***online only*** via DOER's grant portal



Max award
\$200k/\$100k

decarbonization grant exception



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Grant Facts At-A-Glance

- **Prescriptive projects** = streamlined application requirements and evaluation
- **Traditional Energy Efficiency Projects** = building envelope improvements, controls, retro-commissioning, etc
- **Special Eligibility projects** = expanded offerings
- **Decarbonization projects** = support for larger, more complicated projects



Facts con't

- Check “measure-life” of project
 - DOER will not fully fund projects beyond measure-life
 - Municipal cost share required
- DOER support for new fossil fuel-fired heating equipment *very limited*
 - Any requests for new fossil fuel-fired heating equipment must include explanation why alternatives are not feasible
 - 50% municipal cost share required



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Competitive Grant Tips

Check accuracy of energy prices

- Include electric ***supply*** and ***transmission costs***

Check funding limits of prescriptive measures

- Weatherstripping
- Refrigeration controls
- VFDs < 10HP

Use grant workbook calculators

- GHG reductions
- Effective use of grant funds
- Grant \$ per mmBtu saved



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New!

A Few Changes...

- Support for LED lighting is limited
 - Cannot exceed 50% of eligible grant award
 - Limited to public school facilities
 - Must include controls and be dimmable
- Residential appliances no longer eligible
- Benefits to Environmental Justice Communities should be noted
- Strategic electrification projects prioritized
- Support for muni fleet EV charging stations



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Eligibility

- ☑ Must be a Green Community “in good standing”
 - Submitted FY 2021 Annual Report by Nov 19th deadline and addressed outstanding issues by March 18, 2022(Block 1); April 29, 2022 (Block 2)
 - Demonstrates still meet “5 Criteria”
- ☑ Previous grants expended and closed out
 - Block 1: Final Grant Report due **5 pm, Feb.11** and addressed outstanding issues by March 18
 - Block 2: Final Grant Report due **5 pm, Sept. 2** and addressed outstanding issues by Sept. 30



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Prescriptive Projects

Prescriptive Measure	Description	Grant Funding Methodology	Required Documentation	Grant Funding CAP	Savings Methodology (If Applicable)	Remarks / Notes
VFD - 10HP or less Motor	Installation of VFD for 3 phase 10HP or less motors	\$2,400 for up to 1HP and then additional \$200/HP above 1HP up to 10HP	(1) Quantity and Horsepower for each motor (2) Briefly describe current motor application - example toilet exhaust fan, hot water recirc pump etc. (3) Identify utility incentives if available	Maximum of \$4,400 for 10HP or not to exceed total project cost, including incentives	MA eTRM - Annual Energy Savings Factors for C&I VFDs (kWh/HP). Demand savings not required to be calculated	Source for savings: https://etrm.anbetrack.com/#/workarea/trm/MADPU/COM-MAD-VFD/2019-2021%20Plan%20TRM/version/1?measureName=Motor%20-%20Variable%20Frequency%20Drive
Walk-in Refrigeration Controls	Walk-in refrigerator and freezer evaporator fan EC Motor, fan and compressor controls	\$1,650 per evaporator fan motor	(1) Total number of Walk-in refrigerator and freezers along with the number of evaporator fans per unit (2) Identify utility incentives if available	Not to exceed \$9,900 per walk-in unit. Not to exceed total project cost, including incentives	1,800 kWh per evaporator fan motor	Includes funding for new EC Motor, controls, electronic defrost, anti-sweat door
Weather-stripping	Door and window weather-stripping	Up to \$24 per linear feet	(1) Total number of single and double doors (2) Number of operable windows with approximate size per window OR total linear feet of window openings proposed for weather-stripping (3) Identify utility incentives if available.	Not to exceed \$24,000 per facility (1,000 linear feet). Not to exceed total project cost, including incentives	Vendor provided energy savings are acceptable	Excludes attic and wall insulation projects. Energy cost savings estimated to be approximately \$2.40 per linear feet of weather-stripping installed

Prescriptive Projects

Prescriptive Measure	Description	Grant Funding Methodology	Required Documentation	Grant Funding CAP	Savings Methodology (If Applicable)
Building Operator Certification	Building operator certification for a member of town facilities maintenance department	\$1,895 for one employee, \$3,790 total for two employees, and \$5,685 for three employees max. If requesting training for three (3) personnel, one must be on school facilities staff	Identify the position/duties of the employees being selected for BOC. Provide a narrative that specifies how the training will enhance and facilitate existing and proposed new energy conservation measures	Not to exceed the total cost	Town to calculate 1% of total annual building energy consumption in annual energy and cost savings from BOC
Hybrid and Plug-in Hybrid Vehicles	Purchase or lease to replace 'exempt' gas or diesel vehicles or SUVs (hybrid) or gas or diesel vehicles (plug-in hybrid) in the municipal fleet	Maximum \$5,000 towards purchase OR maximum of \$3,000 towards lease per vehicle Specially eligible communities maximum is \$10,000 (purchase) and \$6,000 (lease)	Provide type and model of vehicle being replaced, its average annual mileage and fuel costs, as well as the make/model of the proposed vehicle, and the mpg for both vehicles. See VEH 110 for the state vehicle contract	Not to exceed vehicle purchase/lease cost	Town can use their own calculations or refer to any one of the following sites: https://www.fueleconomy.gov/feg/savemoney.jsp and/or https://afdc.energy.gov/calc/
Battery Electric Vehicle	Purchase or lease to replace gas or diesel-powered vehicles in a municipal fleet	Maximum \$7,500 towards purchase OR maximum of \$5,000 towards lease per electric vehicle Specially eligible maximum is \$15,000 (purchase) and \$10,000 (lease)			
EV Charging Station	Installation of publicly accessible Level 2 dual head EV charging station; OR fleet EVSE	Maximum of \$7,500 per charging station	Location and type of charging station. See VEH 102 for state contract with EV charging stations	Not to exceed implementation cost	N/A

\$750k Club *(max award \$100k)*

Acton	Hopkinton	Palmer
Acushnet	Kingston	Salem
Amesbury	Lexington	Scituate
Andover	Littleton	Somerville
Arlington	Lowell	Southborough
Auburn	Marshfield	Sudbury
Bedford	Maynard	Sutton
Beverly	Medford	Swampscott
Bridgewater	Medway	Tewksbury
Brookline	Melrose	Tyngsborough
Chelmsford	Millbury	Wenham
Concord	Milton	Westford
Easton	Natick	Westwood
Framingham	Newburyport	Weymouth
Gloucester	Newton	Winchester
Hanover	Northampton	Woburn
	Northbridge	



Special Eligibility

- **Additional projects** - Applicants that are a Green Community in good standing for **six (6) or more years** AND have also achieved and maintained a minimum of fifteen percent (15%) energy reduction of their Energy Reduction Plan target **for three (3) or more years** are eligible to apply for additional qualified projects

Additional Projects – Special Eligibility

- **Double the maximum award amounts**
 - for hybrid and battery-electric vehicles as indicated in Section 2 – *Prescriptive Projects*
- **Behavior-based energy efficiency programs**
 - that focus on energy savings resulting from changes in individual or organizational behavior and decision-making, such as programs that employ goal setting, rewards, and other tactics to encourage efficient energy use.
- **Community outreach programs**
 - to promote existing residential and/or commercial energy efficiency programs, such as MassSave, including supplemental grant programs; and/or to promote other clean energy initiatives such as community-shared solar, Solarize, or HeatSmart
- **Energy efficiency projects**
 - at a facility not included in the municipality's baseline but in a district associated with the municipality, such as a regional school district, a water district, or a wastewater district.



Building Decarbonization Projects

- \$500K cap
- At least 25% local match
- Up to 3 years to complete
- Must demonstrate GHG emission reductions
- Cannot apply for other projects in PON
- Cannot apply for competitive grants for 2 years after award



Weatherization Requirement

- For **new HVAC** projects, the building must have at least **one of the following**:
 - An audit that confirms the building is properly weatherized and insulated
 - Documentation that the building has been properly weatherized and insulated within the last five years
 - An audit stating that the building cannot be further insulated without major renovation
 - DOER will consider grant requests that pair weatherization with new thermal equipment





Interior LED must be either:

- 1) whole fixture replacements of existing lamps and ballasts,
- 2) retrofit kits with internal drivers for non-linear and specialty lighting fixtures,
- or 3) Type C TLED lamp replacements with compatible external LED drivers; AND
- 4) Include controls and be dimmable



Barkits OK



Vehicle Efficiency Measures



- Idle-reduction technologies
- Hybrid add-on/retrofits
- Hybrid “exempt” vehicles
- Plug-in hybrid vehicles
- Battery-electric vehicles
- Charging stations - publicly accessible and fleet Level 2 charging stations

2021 Ford Interceptor Hybrid



Hybrid vehicles - Funding for hybrid vehicles to replace “exempt” vehicles in the municipal fleet



Poll Question #2

Which Grant Round is your city/town likely to submit an application?

Spring – April 22

Fall – Oct. 7

Not applying in 2022

Not sure

Competitive Grant Evaluation Criteria & Grant Table



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Climate Bill Signed March 2021



The legislation signed by Governor Baker updates the greenhouse gas emissions limits related to the 2008 Global Warming Solutions Act, commits Massachusetts to achieve **Net Zero emissions in 2050**, and authorizes the Secretary of Energy and Environmental Affairs (EEA) to establish an emissions limit of no less than **50% for 2030**, and no less than **75% for 2040**.



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Competitive Grant Evaluation Criteria

(Summarized from pages 5-6 of 2022 Competitive Grant PON)

Projects within the applications will be assessed by:

- Project viability
- Payback period
- Environmental Justice (EJ) benefits
- Energy reductions
- Greenhouse gas (GHG) emissions
- Strategic electrification (buildings and vehicles)



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Green Communities Grant Table

Community
Information
& Summary

Green Communities Grant Table - 2022

Applicant Information

Municipality Name:	
Contact Name:	
Contact Title:	
Contact E-mail:	
Contact Phone:	
Date of Application :	
Date of update (if an update to an existing application):	n/a

Contact/grant information entered by the community

Energy Cost (\$) per Unit (enter your community's energy costs)

Electricity (kWh)	
Natural Gas (therms)	
Oil Savings (gallons)	
Gasoline (gallons)	
Diesel (gallons)	
Propane (gallons)	

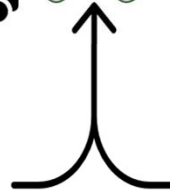
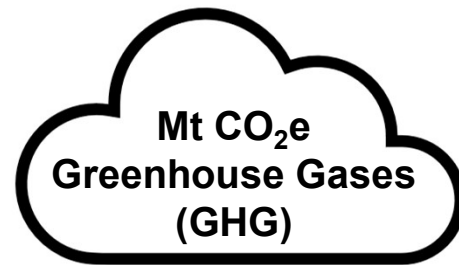
Energy costs entered by the community

Application Summary (cells will calculate based on data on next tab)

Green Communities Funding Requested	\$ -
Projected Annual Cost Savings (\$)	\$ -
Simple GC\$ Payback Period	-
MMBtu saved (annually)	-
GC\$/MMBtu, 2021 project average = 177 <input checked="" type="checkbox"/>	-
GHG tons saved (annually)	-
GC\$/GHG ton, 2021 project average = 2,258	-

Application summary; updates based on next tab

[illegible]



MMBtu Energy



				Project Annual Energy Savings					Project Cost Information					Reference and Supporting Information					Data Summary									
Building Name and/or Location (as noted in MEI)	Traditional, Administrative, OR Prescriptive Project (select from dropdown list)	Project Name (description for Traditional Projects) ¹⁰	Projected Completion (month/year) ¹¹	Grid Electricity	Natural	Oil	Gasoline	Diesel	Propane	Total Project Cost (\$)	G.C. Grant	Utility	Other Grants (\$)	Community	2014-15 Procurement	Funding Sources: For Other Grants and Town Contribution	Source of Community Contribution (if available)	Audit or Study Reference	Audit or Study Page References ¹⁹	Other Supporting Documents and Page References ²⁰	Part of Performance Contract? ²¹ (yes or no)	Projected Annual Energy Cost Savings (\$)	\$/kWh saved per year	G.C. \$/kWh ²²	Simple G.C. Payback Period (years)	GHG emissions (tons CO ₂ e) saved per year ²³	GHG \$/ton ²⁴	
				(kWh) ¹²	Gas (therms) ¹³	(gallons) ¹⁴	(gallons) ¹⁵	(gallons) ¹⁶	(gallons) ¹⁷		Funding (\$)	Incentives (\$)	Contribution (\$)	Green Income Programs ¹⁸														Contribution (\$)
Town Offices	Traditional Energy Project	Air Source Heat Pump	12/2022	19,695	2,185					\$81,323.00	\$44,729.00	\$40,000.00	\$0.00	\$0.00		1/1	Private Donation	AMES_Town_Audit.pdf	0008-1	AMES_Town_ERP.pdf	No	\$	2,833.25	235.5	17.2	11.28	17.97	2,244.32
Town Offices	Traditional Energy Project	Weatherization	12/2022	23,873	35.0					\$32,763.00	\$17,175.00	\$11,275.00	\$0.00	\$0.00		1/1	General Fund	AMES_Town_Audit.pdf	0008-2	AMES_Town_ERP.pdf	No	\$	1,148.80	48.7	20.8	9.94	9.97	2,550.69
High School	Traditional Energy Project	LED Lighting	12/2022	1,873						\$184,716.00	\$83,862.00	\$75,254.00	\$0.00	\$0.00		1/1		AMES_Town_Audit.pdf	0008-3	AMES_Town_ERP.pdf	No	\$	10,135.94	343.9	17.4	1.77	30.29	3,551.73
Building Inspector	Prescriptive: Hybrid and Plug-in	Chevy Bolt	12/2022	5,417		7.65				\$33,070.00	\$7,200.00	\$0.00	\$0.00	\$25,870.00			General Fund	Chevy_Bolt.pdf	https://www.ames.org/		No	\$	1,893.85	50.3	51.6	4.50	6.16	1,216.51
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Green Community:				28,971	4	23.65	7.65	0	0	\$107,862.00	\$59,104.00	\$52,275.00	\$0.00	\$0,000.00		1/1						\$	-	-	-	-	-	-



Town Offices Oil to Heat Pump



Town Offices Weatherization



Highschool LED Lighting



Building Inspector Vehicle Gas to EV

Building Name and/or Location (as noted in MEI)	Traditional, Administrative, OR Prescriptive Project (select from dropdown list)	Project Name (description for Traditional Projects)	Projected Completion (month/year)
Town Offices	Traditional Energy Project	Air Source Heat Pump	12/2022
Town Offices	Traditional Energy Project	Weatherization	12/2022
High School	Traditional Energy Project	LED Lighting	12/2022
Building Inspector	Prescriptive: Hybrid and Plug-in Hybrid Vehicles	Chevy Bolt	12/2022



Building Inspector Vehicle Gas to EV

Building Name and/or Location (see line 10.5)	Traditional, Alternative, OR Prescriptive Project (see line 10.6)(1)	Project Name (see line 10.7)	Project Start (month/year)	Project Annual Energy Savings					Project Cost Information					20.4, § 14 Percentage	Reference and Supporting Information					Data Summary							
				Electricity (kWh) ⁽²⁾	Natural Gas (therms) ⁽³⁾	Oil (gallons) ⁽⁴⁾	Gasoline (gallons) ⁽⁵⁾	Diesel (gallons) ⁽⁶⁾	Propane (gallons) ⁽⁷⁾	Total Project Cost (\$)	GC Grant Funding (\$)	Utility Incentive (\$)	Other Grants (\$) Community Contribution (\$)		Funding Source(s) for Other Grants and Town Contribution	Source of Community Contribution (if applicable)	Audit or Study Reference	Audit or Study Page Reference(s) ⁽⁸⁾	Other Supporting Document(s) and Page Reference(s) ⁽⁹⁾	Part of Performance Contract? (yes or no)	Projected Annual Energy Cost Savings (\$)	\$/kWh saved per year	GC \$/kWh (\$)	Simple GC Payback Payback (years)	GHG emissions (tons CO2) saved per year	GC \$/kWh (tons CO2)	
Town Offices	Traditional Energy Project	Air Source Heat Pump	1/2022	-18,885		2,185				\$81,428.00	\$41,728.00	\$40,000.00	\$0.00	\$0.00	n/a	Private Donation	Ames_Town_Audit.pdf	page 1	Ames_Town_ERP.pdf	No	\$	0.00	0.00	17.2	11.00	17.00	2,044.00
Town Offices	Traditional Energy Project	Weatherization	1/2022			350				\$32,750.00	\$11,000.00	\$11,000.00	\$0.00	\$0.00	n/a	General Fund	Ames_Town_Audit.pdf	page 2	Ames_Town_ERP.pdf	No	\$	0.00	0.00	20.0	9.00	9.00	2,044.00
High School	Traditional Energy Project	LED Lighting	1/2022	-73,973						\$194,219.00	\$80,000.00	\$70,000.00	\$0.00	\$0.00	n/a	-	Ames_Town_Audit.pdf	page 3	Ames_Town_ERP.pdf	No	\$	10,000.00	0.00	0.00	1.00	0.00	3,889.00
Building Inspector	Prescriptive Hybrid and Plug-In	Chevy Bolt	1/2022	-3,417			7.66			\$33,000.00	\$1,000.00	\$0.00	\$0.00	\$32,000.00		General Fund	Chevy_Bolt.pdf	https://afdc.energy.gov/calculator	-	No	\$	0.00	0.00	0.0	0.00	0.00	1,010.00
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Building Name and/or Location (see Note 1)(1)	Traditional, Alternative, OR Prescriptive Project (see Note 2)(2)	Project Name (see Note 3)(3)	Prepared Completion Month/Year (4)	Project Annual Energy Savings					Project Cost Information					Reference and Supporting Information					Data Summary								
				Electricity (kWh) ⁽⁵⁾	Natural Gas (therms) ⁽⁶⁾	Oil (gallons) ⁽⁷⁾	Gasoline (gallons) ⁽⁸⁾	Diesel (gallons) ⁽⁹⁾	Propane (gallons) ⁽¹⁰⁾	Total Project Cost (\$)	GC Grant Funding (\$)	Utility Incentives (\$)	Other Grants (\$) (see Note 11)	Community Contribution (\$)	20 A, § 14 Procurement (12)	Funding Source(s) For Other Grants and Total Contribution	Source of Community Contribution (see Note 13)	Audit or Study Reference	Audit or Study Page Reference(s) ⁽¹⁴⁾	Other Supporting Documents and Page Reference(s) ⁽¹⁵⁾	Part of Performance Contract? (yes or no)	Projected Annual Energy Cost Savings (\$)	MMBtu saved per Year	GC\$/MMBtu	Simple GC Payback Period (years)	GHG emissions (tons CO2) saved per year	GC\$/GHG (tons CO2)
Town Offices	Traditional Energy Project	Air Source Heat Pump	1/2022	-18,885	2,185					\$81,028.99	\$44,728.00	\$40,800.00	\$0.00	\$0.00		no	Private Donation	Ames_Town_Audit.pdf	page 1	Ames_Town_Audit.pdf	no	\$ 3,659.92	236.5	172.2	11.28	17.37	2,344.10
Town Offices	Traditional Energy Project	Weatherization	1/2022		350					\$32,760.00	\$11,200.00	\$11,200.00	\$0.00	\$0.00		no	General Fund	Ames_Town_Audit.pdf	page 2	Ames_Town_Audit.pdf	no	\$ 1,144.50	48.7	233.8	10.00	3.92	2,904.38
High School	Traditional Energy Project	LED Lighting	1/2022	72,978						\$194,219.39	\$80,860.00	\$70,284.00	\$0.00	\$0.00		no	General Fund	Ames_Town_Audit.pdf	page 3	Ames_Town_Audit.pdf	no	\$ 13,135.14	249.0	377.4	7.15	26.23	3,581.72
Building Inspector	Prescriptive Hybrid and Plug-In	Chevy Bolt	1/2022	-3,417			7.66			\$33,000.00	\$7,500.00	\$0.00	\$0.00	\$25,500.00			General Fund	Chesley_Bolt.pdf	https://info.amesbury.com/		no	\$ 2,030.94	82.1	91.4	3.69	6.16	1,218.51
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Building Name and/or Location (see note #15)	Traditional, Alternative, OR Prescriptive Project (see note #16)	Project Name (see note #17)	Integrated Completion (month/year)	Project Annual Energy Savings					Project Cost Information					Reference and Supporting Information					Data Summary								
				Electricity (kWh) ⁽¹⁾	Natural Gas (therms) ⁽²⁾	Oil (gallons) ⁽³⁾	Gasoline (gallons) ⁽⁴⁾	Diesel (gallons) ⁽⁵⁾	Propane (gallons) ⁽⁶⁾	Total Project Cost (\$)	GC Grant Funding (\$)	Utility Incentives (\$)	Other Grants (\$)	Community Green Incentive Contribution (\$)	2014, § 14 Procurement Act	Funding Source(s) For Other Grants and Town Contribution	Source of Community Contribution (if available)	Audit or Study Reference	Audit or Study Page Reference(s) ⁽⁸⁾	Other Supporting Documents and Page Reference(s) ⁽⁹⁾	Part of Performance Contract? (yes/no)	Projected Annual Energy Cost Savings (\$)	MMBtu saved per Year	GC\$/MMBtu	Simple GC Payback Period (years)	GHG emissions (tons CO2) saved per year	GC\$/GHG (tons CO2)
Town Offices	Traditional Energy Project	Air Source Heat Pump	1/2022	-15,885	2,185					\$81,029.95	\$47,725.00	\$40,800.00	\$0.00	\$0.00		Yes	Private Contractor	Ames_Town_Audit.pdf	page 1	Ames_Town_Audit.pdf	No	\$3,557.95	236.5	172.2	11.45	17.37	2,344.10
Town Offices	Traditional Energy Project	Weatherization	1/2022		350					\$22,760.00	\$11,375.00	\$11,375.00	\$0.00	\$0.00		Yes	General Fund	Ames_Town_Audit.pdf	page 2	Ames_Town_Audit.pdf	No	\$1,137.50	48.7	233.8	10.00	3.92	2,904.38
High School	Traditional Energy Project	LED Lighting	1/2022	72,973						\$194,219.09	\$80,862.00	\$70,284.00	\$0.00	\$0.00		Yes	General Fund	Ames_Town_Audit.pdf	page 3	Ames_Town_Audit.pdf	No	\$13,135.14	249.0	377.4	7.15	26.23	3,581.72
Building Inspector	Prescriptive Hybrid and Play-It	Chrysler Gas	1/2022	-3,417		7.66				\$12,000.00	\$7,500.00	\$0.00	\$0.00	\$25,000.00			General Fund	Chrysler_Gas.pdf	https://amesenergy.com/docs	No	\$2,030.94	82.1	91.4	3.69	6.16	1,218.51	
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Building Name and/or Location (see note #15)	Traditional, Alternative, OR Prescriptive Project (see note #16)	Project Name (see note #17)	Funding Source (see note #18)	Project Annual Energy Savings					Project Cost Information					Reference and Supporting Information					Data Summary									
				Estimated Reduction (kBtu/yr)	Natural Gas (gallons/yr)	Oil (gallons/yr)	Gasoline (gallons/yr)	Diesel (gallons/yr)	Propane (gallons/yr)	Total Project Cost (\$)	GC Grant Funding (\$)	Utility Incentives (\$)	Other Grants (\$)	Community Contribution (\$)	20 A, § 14 Procurement No.	Funding Source For Other Grants and Town Contribution	Source of Community Contribution (see note #19)	Asset or Study Reference	Asset or Study Page Reference(s)	Other Supporting Documents and Page Reference(s)	Part of Performance Contract? (yes or no)	Projected Annual Energy Cost Savings (\$)	MMBtu saved per Year	GC\$/MMBtu	Simple GC Payback Period (years)	GHG emissions (tons CO2) saved per year	GC\$/GHG (tons CO2)	
Town Offices	Traditional Energy Project	Air Source Heat Pump	12002	-15,885	2,185					\$81,429.95	\$47,725.00	\$40,800.00	\$0.00	\$0.00		no	Private Donor	Ames_Town_AirSHP.pdf	page 1	Ames_Town_AirSHP.pdf	no	\$	3,659.92	236.5	172.2	11.28	17.37	2,344.10
Town Offices	Traditional Energy Project	Weatherization	12002		350					\$22,750.00	\$11,375.00	\$11,375.00	\$0.00	\$0.00		no	General Fund	Ames_Town_AirSHP.pdf	page 2	Ames_Town_AirSHP.pdf	no	\$	1,143.50	48.7	233.8	10.00	3.92	2,904.38
High School	Traditional Energy Project	LED Lighting	12002	-73,978						\$194,219.39	\$89,862.00	\$75,284.00	\$0.00	\$0.00		no	General Fund	Ames_Town_AirSHP.pdf	page 3	Ames_Town_AirSHP.pdf	no	\$	13,135.14	249.0	377.4	7.15	26.23	3,581.72
Building Inspector	Prescriptive Hybrid and Play-It	Chrysler Gas	12002	-3,417			7.86			\$11,000.00	\$1,500.00	\$0.00	\$0.00	\$25,000.00			General Fund	Chrysler_Gas.pdf	https://amesenergy.com/docs		no	\$	1,563.98	82.1	91.4	3.69	6.16	1,218.51
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		Project First Year		Useful Life*		
		GC\$/MMBtu	GC\$/GHG		GC\$/MMBtu (lifetime)	GC\$/GHG (lifetime)
 Town Offices Weatherization		233.8	2,904.4	25	9.4	116.2
	 Highschool LED Lighting	377.4	3,581.7	15	25.2	238.78
2021 Competitive Grant		177	2,258		10.9	141.7

*Lifetime energy savings will be determined during the DOER's grant review process and will be calculated from estimated measured life of the equipment. Grant reviewers will determine useful life; this number may differ from the manufacturer and/or vendor.

Green Communities Grant Table

Community
Information
& Summary

Green Communities Grant Table - 2022

Applicant Information

Municipality Name:	Ames
Contact Name:	Contact Name
Contact Title:	Town Administrator
Contact E-mail:	admin@townofames.org
Contact Phone:	413-555-5555
Date of Application :	4/21/2022
Date of update (if an update to an existing application):	n/a

Contact/grant information entered by the community

Energy Cost (\$) per Unit (enter your community's energy costs)

Electricity (kWh)	0.18
Natural Gas (therms)	
Oil Savings (gallons)	3.27
Gasoline (gallons)	2.88
Diesel (gallons)	
Propane (gallons)	

Energy costs entered by the community

Application Summary (cells will calculate based on data on next tab)

Green Communities Funding Requested	\$ 153,562.00
Projected Annual Cost Savings (\$)	\$ 19,443.51
Simple GC\$ Payback Period	7.9
MMBtu saved (annually)	616
GC\$/MMBtu, 2021 project average = 177	249
GHG tons saved (annually)	54
GC\$/GHG ton, 2021 project average = 2,258	2,861

Application summary

Tips for a Successful Application

- Include **all** the required information
 - DOER reserves the right to reject incomplete applications
- Verify utility incentives
- EMS project descriptions should include energy savings strategies to be employed
- Weatherization first – then upgrade HVAC equipment
- Bidding out projects over \$100k
- Discuss with your Regional Coordinator



*Helping Massachusetts Municipalities Create a Clean,
Affordable, and Resilient Energy Future*



More Tips...

- Applicants are encouraged to seek qualified, independent project managers or clerk of the works to coordinate the day-to-day activities.
 - Grant administration funds can be used for this purpose



- EMS/BMS systems:
Insist on personnel training (*grant app requires staff identified for training*)

Competitive Grant Tips

Check “measure-life” of project

- DOER may not fund costs beyond measure-life
- Municipal cost share expected

Use grant workbook calculators

- GHG reduction
- Effective use of grant funds
 - Grant \$ per mmBtu saved



Competitive Grant Tips

Check accuracy of energy prices

- Include electric *supply* and *transmission costs*

Check funding limits of prescriptive measures

- Weatherstripping
- Refrigeration controls
- VFDs < 10HP



Evaluation Criteria

- Energy impacts, including reductions in energy consumption and greenhouse gas emissions
- Effective use of funds as determined by energy savings and GHG emission reductions achieved per DOER dollar invested
- Shovel readiness, including viability, and appropriateness of project
- Matching funds will be factored into the evaluation

Non-Qualified Projects

- Program admin costs exceeding 10% of grant or \$10,000
- Feasibility studies
- Solar PV
- Revolving loan funds
- Air or water-source heat pumps for space cooling only
- LED lighting in non-school facilities
- Non-commercial appliances
- Projects for buildings/facilities not included in the municipality's baseline and therefore not in the municipality's Energy Reduction Plan
 - except for specially eligible communities



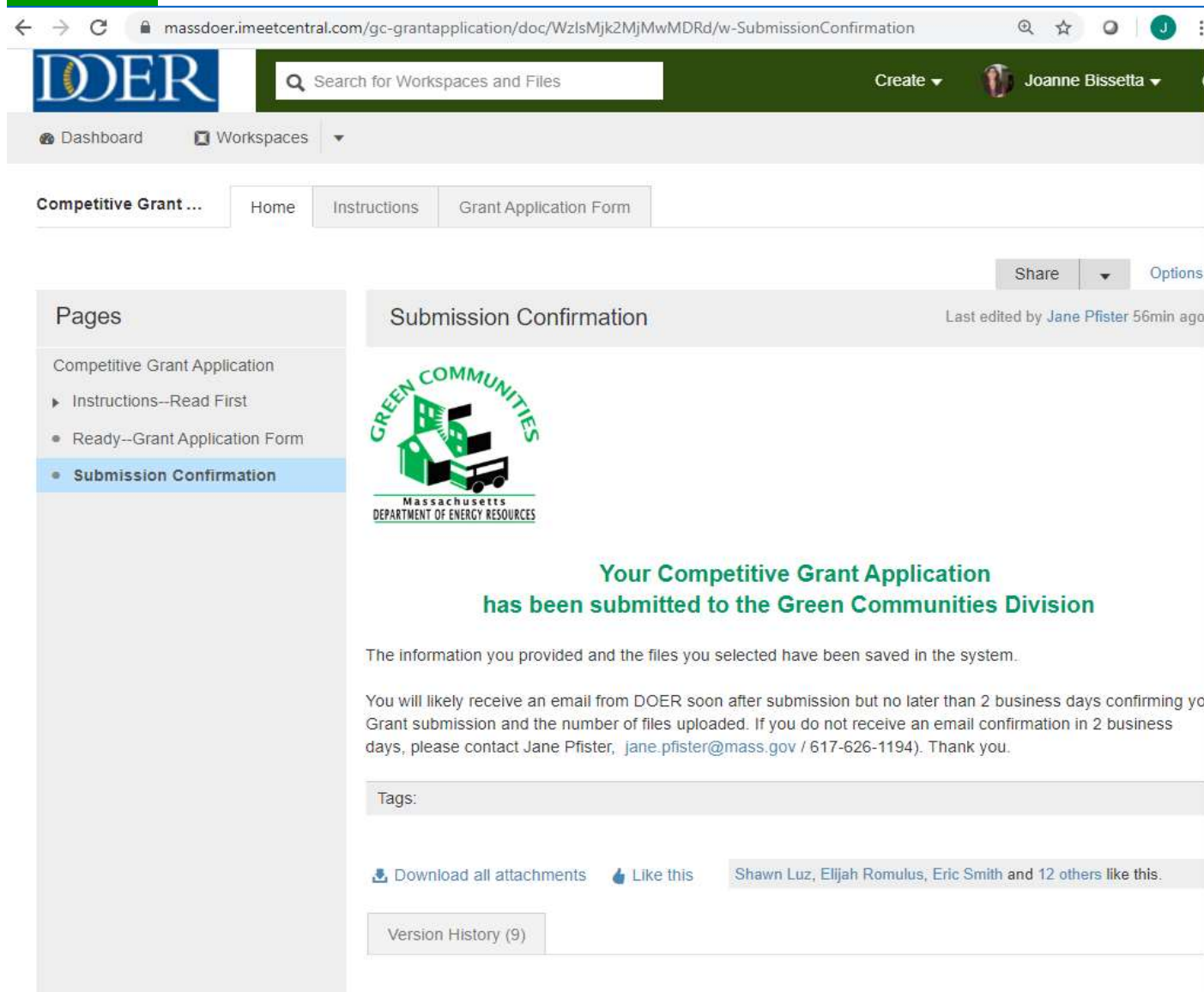
Application Logistics

- Must use DOER's *online application portal (iMeet Central)*
 - Not CommBuys
- Follow instructions
- Only apply for \$200k/\$100k (unless custom grant)
- Use CommBuys Q&A function for grant-related questions



Confirmation of Submittal

Make sure you receive a confirmation of submittal



massdoer.imeetcentral.com/gc-grantapplication/doc/WzlsMjk2MjMwMDRd/w-SubmissionConfirmation

DOER Search for Workspaces and Files Create Joanne Bissetta

Dashboard Workspaces

Competitive Grant ... Home Instructions Grant Application Form

Pages

- Competitive Grant Application
 - Instructions--Read First
 - Ready--Grant Application Form
 - Submission Confirmation**

Submission Confirmation Last edited by Jane Pfister 56min ago

GREEN COMMUNITIES
Massachusetts
DEPARTMENT OF ENERGY RESOURCES

**Your Competitive Grant Application
has been submitted to the Green Communities Division**

The information you provided and the files you selected have been saved in the system.

You will likely receive an email from DOER soon after submission but no later than 2 business days confirming your Grant submission and the number of files uploaded. If you do not receive an email confirmation in 2 business days, please contact Jane Pfister, jane.pfister@mass.gov / 617-626-1194). Thank you.

Tags:

Download all attachments Like this Shawn Luz, Elijah Romulus, Eric Smith and 12 others like this.

Version History (9)

Thank you!

Questions??

